GALEX Guest Investigator Program

Cycle 4

Cover Page

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

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Research Area: GALACTIC STRUCTURE

Proposal Type: STANDARD

Total New Time Requested (ksec): 37.50

Number of Observations (New and/or Archival): 5

NUV-Only OK for Entire Program?: N

Abstract:

The Empire has obstructed the course of Justice long enough. We propose a series of GALEX observations that should help bring the Empire to its knees and rid us of the dreaded Darth Vader. The brightest UV emission, aside from the main body of the galaxy, probably originates from emission plumes of the (already known) individual transports of the leaders of the ruling Oppression. We propose to obtain a series of observations of the redfish and bluefish galaxies as well as the HQ planet. We will use the results to obtain a clearer understanding of how a cyborg can influence its followers at large distances from the AGN.

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General Form

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Co-Investigator(s):

Name	Institute	Country
MR. HAN SOLO	RUMRUNNER INC.	USA
DR. CUTIE R2D2	INST. ADVANCED ARTIFICIAL INTELLIGENCE	USA

Technical Contact (if not P.I.):

NASA FTEs: 0.4000

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Observation Summary

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Obs. No.	Field Name	R.A.	Dec	Archival Time(ksec)	New Obs. Time(ksec)	Aperture
1	GALAXIES_FAR_FAR_AWAY	01 23 45.67	-06 54 32.1		3.0	IMAGE
2	GALAXIES_FAR_FAR_AWAY	01 23 45.67	-06 54 32.1		15.0	GRISM
3	TATOOINE'S STAR	06 15 54.32	+49 39 29.7		4.5	IMAGE
4	THE DEATH STAR	00 00 00.00	+00 00 00.0		15.0	IMAGE
5	TATOOINE'S STAR	06 15 54.32	+49 39 29.7	4.7		

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Observation Form

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Observation Number: 1

	Name	R.A. (J2000)	Dec.
Observing Field:	GALAXIES_FAR_FAR_AWAY	01 23 45.67	-06 54 32.1
Science Target(s):	REDFISH_GALAXY	01 29 40.20	-07 01 02.3
	BLUEFISH_GALAXY	01 18 22.00	-06 34 03.2

New Observation Total Time (ksec): 3.0 NUV-Only OK? N

Aperture: IMAGE

(If Grism) Pre-Image Field Name:

Pre-Image R.A.: Dec.: Time (ksec):

Constraints? Time Critical: N ToO: N Low Zodi: N Moving: N Other: N

Other Special Requests?

Archival Observation Total Archival Time (ksec):

Additional Comments

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Observation Form

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Observation Number: 2

	Name	R.A. (J2000)	Dec.
Observing Field:	GALAXIES_FAR_FAR_AWAY	01 23 45.67	-06 54 32.1
Science Target(s):	REDFISH_GALAXY	01 29 40.20	-07 01 02.3
	BLUEFISH_GALAXY	01 18 22.00	-06 34 03.2

New Observation Total Time (ksec): 15.0 NUV-Only OK? N

Aperture: GRISM

(If Grism) Pre-Image Field Name: OBSERVATION 1 IN THIS PROGRAM

Pre-Image R.A.: 01 23 45.67 Dec.: -06 54 32.1 Time (ksec): 3.0

Constraints? Time Critical: N ToO: N Low Zodi: N Moving: N Other: N

Other Special Requests?

Grism angle - bluefish_galaxy is oriented edge-on at 45degrees E of N. We want to obtain spectra of the gas above and below the plane, so want to avoid grism orientations that would place the dispersion along the galaxy major axis, or between 20 and 70 E of N

Archival Observation Total Archival Time (ksec):

Additional Comments

GALEX Guest Investigator Program

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Observation Form

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Observation Number: 3

	Name	R.A. (J2000)	Dec.
Observing Field:	TATOOINE'S STAR	06 15 54.32	+49 39 29.7
Science Target(s):	TATOOINE'S STAR	06 05 54.32	+49 25 38.7

New Observation — Total Time (ksec): 4.5 — NUV-Only OK? N

Aperture: IMAGE

(If Grism) Pre-Image Field Name:

Pre-Image R.A.: Dec.: Time (ksec):

Constraints? Time Critical: N ToO: N Low Zodi: N Moving: N Other: N

Other Special Requests?

Archival Observation — Total Archival Time (ksec):

Additional Comments

Field position offset from science target to avoid nearby bright star. Will use new observation in comparison with archival data (observation 5 in this program) to search for new personnel habitation space stations in stellar system.

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Observation Form

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Observation Number: 4

	Name	R.A. (J2000)	Dec.
Observing Field:	THE DEATH STAR	00 00 00.00	+00 00 00.0
Science Target(s):	THE DEATH STAR	00 00 00.00	+00 00 00.0
	DARTH VADER'S SHUTTLE	00 00 00.00	+00 00 00.0
	REBEL PLANET	00 00 00.00	+00 00 00.0

New Observation Total Time (ksec): 15.0 NUV-Only OK? N

Aperture: IMAGE

(If Grism) Pre-Image Field Name:

Pre-Image R.A.: Dec.: Time (ksec):

Constraints? Time Critical: Y ToO: Y Low Zodi: N Moving: Y Other: N

Time critical: Need 10 consecutive orbits. Target of Opportunity: Program will be triggered by signal lasers from rebel freehold planet 3 weeks before desired observations. Moving target: Science targets are moving relative to planet which is also moving.

Other Special Requests?

Time-Tag-Photon List: We will reconstruct landing and return path of shuttle from time-tag list.

Archival Observation Total Archival Time (ksec):

Additional Comments

Because planet's primary star is type K0, it will be brighter in NUV than FUV, but will not be too bright to be dangerous to detectors.

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Observation Form

Title: UV ASTRONOMY AND THE REBELLION.

Principal Investigator: DR. LEIA T. ORGANA

Observation Number: 5

	Name	R.A. (J2000)	Dec.
Observing Field:	TATOOINE'S STAR	06 15 54.32	+49 39 29.7
Science Target(s):	TATOOINE'S STAR	06 05 54.32	+49 25 38.7

New Observation Total Time (ksec): NUV-Only OK? Y

Aperture:

(If Grism) Pre-Image Field Name:

Pre-Image R.A.: Dec.: Time (ksec):

Constraints? Time Critical: N ToO: N Low Zodi: N Moving: N Other: N

Other Special Requests?

Archival Observation Total Archival Time (ksec): 4.7

Additional Comments

Will use archival data in comparison with new data (observation 3 in this program) to search for new personnel habitation space stations in stellar system.